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U.S ENVIRONMENTAL PROTECTION AGENCY
SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

Preparer's Name: Robert Whittier/Carl Overpeck Date Prepared: 22-February-2014

Preparer's Affiliation: EPA/START Phone No. 907-257-5000 ext 3303



1. OCCUPANTS: None at time of inspection.

Last Name: _____ First Name: _____

Property address: EA Block 26A Lot 6A; 710 East 3rd Avenue, Anchorage, AK. 99515

Home Phone: _____ Office/Cell Phone: _____

Number of Occupants/persons at this location: _____ Age of Occupants: _____

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2. OWNER OR LANDLORD

Last Name: (b) (6) First Name: (b) (6)

Property address: EA Block 26A Lot 6A; 710 East 3rd Avenue, Anchorage, AK. 99515

Home Phone: (b) (6) Office/Cell Phone:

3. TYPE OF BUILDING: Residential

If residential, type of property:

- | | | |
|---------------------------------------|---|--|
| <input type="checkbox"/> Ranch | <input type="checkbox"/> 2-Family | <input type="checkbox"/> 3-Family |
| <input type="checkbox"/> Raised Ranch | <input checked="" type="checkbox"/> Split Level | <input type="checkbox"/> Colonial |
| <input type="checkbox"/> Cape Cod | <input type="checkbox"/> Contemporary | <input type="checkbox"/> Mobile Home |
| <input type="checkbox"/> Duplex | <input type="checkbox"/> Apartment House | <input type="checkbox"/> Townhouses/Condos |
| <input type="checkbox"/> Modular | <input type="checkbox"/> Log Home | Other: _____ |

If multiple units, how many? N/A

If commercial, type? N/A

Business type(s): N/A

Does the business include residences? ☐ Y ☒ N

Other Building Characteristics:

Number of floors: 2 Approximate building age: 50+

Is the building insulated? ☒ Y ☐ N How air tight? ☐ Tight ☒ Average ☐ Not Tight

4. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- | | |
|--|---|
| a. Above grade construction: | <input checked="" type="checkbox"/> wood <input type="checkbox"/> concrete <input type="checkbox"/> stone <input type="checkbox"/> brick <input type="checkbox"/> other _____ |
| b. Basement type: | <input type="checkbox"/> full <input checked="" type="checkbox"/> crawlspace <input checked="" type="checkbox"/> slab <input type="checkbox"/> other _____ |
| c. Basement floor: | <input checked="" type="checkbox"/> concrete <input type="checkbox"/> dirt <input type="checkbox"/> stone <input type="checkbox"/> other _____ |
| d. Basement floor: | <input type="checkbox"/> uncovered <input type="checkbox"/> covered, covered with <u>partial w/carpet</u> |
| e. Concrete floor: | <input checked="" type="checkbox"/> unsealed <input type="checkbox"/> sealed, sealed with _____ |
| f. Foundation walls: | <input checked="" type="checkbox"/> poured <input type="checkbox"/> block <input type="checkbox"/> stone <input type="checkbox"/> other _____ |
| g. Foundation walls: | <input checked="" type="checkbox"/> unsealed <input type="checkbox"/> sealed, sealed with _____ |
| h. The basement is: | <input type="checkbox"/> wet <input type="checkbox"/> damp <input checked="" type="checkbox"/> dry <input type="checkbox"/> moldy |
| i. The basement is: | <input type="checkbox"/> finished <input type="checkbox"/> unfinished <input checked="" type="checkbox"/> partially finished |
| j. Sump present? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| k. Water in sump? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| l. Sump covered/sealed? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| m. Floor drains present? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| n. Perimeter trench drains present? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA UNKNOWN |
| o. Indoor cisterns/drywell? | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA |
| p. Laundry chute to 1 st or 2 nd Floors? | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA |

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Basement/lowest level depth below grade: ~5 (feet)

Identify and describe potential soil vapor entry points and approximate size (e.g., floor cracks, utility ports, floor drains, wall cracks, weeps, or indoor wells):

Soil crawl spaces, floor cracks, utility ports, floor drains, wall & slab cracks.

Other Comments: Abundant property storage and lack of lighting throughout basement obstructed/impered detailed evaluation.

5. HEATING, VENTING and AIR CONDITIONING

Identify all that apply and highlight primary:

<input checked="" type="checkbox"/> Hot air circulation	<input type="checkbox"/> Heat pump	<input type="checkbox"/> Hot water baseboard
<input type="checkbox"/> Space Heaters	<input type="checkbox"/> Stream radiation	<input type="checkbox"/> Radiant floor
<input type="checkbox"/> Electric baseboard	<input type="checkbox"/> Wood stove	<input type="checkbox"/> Outdoor wood boiler
<input type="checkbox"/> Other: _____		

Approximate age of heating system(s): UNKNOWN

The primary type of fuel used is:

<input checked="" type="checkbox"/> Natural Gas	<input type="checkbox"/> Fuel Oil	<input type="checkbox"/> Kerosene
<input type="checkbox"/> Electric	<input type="checkbox"/> Propane	<input type="checkbox"/> Solar
<input type="checkbox"/> Wood	<input type="checkbox"/> Coal	

Domestic hot water tank fueled by: Natural Gas

Fuel oil storage location/condition/size, if applicable: _____

Boiler/furnace located in: ☒ Basement ☐ Outdoors ☐ Main Floor ☐ Other _____

Storage wood or coal: ☐ Basement ☐ Outdoors ☐ Main Floor ☒ Other N/A

Fireplace(s) located in: ☐ Basement ☐ Main Floor ☒ Other N/A

Air conditioning: ☐ Central Air ☐ Window units ☐ Open Windows ☒ None

Dehumidification: ☐ Stand alone unit ☐ Located on central air system ☒ NA

Are there air distribution ducts present? ☒ Y ☐ N

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6. OCCUPANCY is basement/lowest level occupied?

☐ Full-time ☐ Occasionally ☐ Seldom ☒ Almost Never

Level	General Use of Each Floor (e.g., family room, bedroom, laundry, storage, etc.)
Basement	<u>Laundry, Utilities, Storage</u>
1 st Floor	<u>Residential</u>
2 nd Floor	<u>None</u>

7. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- Is there an attached garage? ☐ Y ☒ N
- Does the garage have a separate heating unit? ☐ Y ☐ N ☒ NA
- Are petroleum-powered machines or vehicles stored in the garage? ☐ Y ☒ N
- Has the building ever had a fire? ☐ Y ☒ N When? _____
- Is a kerosene or unvented gas space heater present? ☐ Y ☒ N Where? _____
- Is there a workshop or hobby/craft area? ☐ Y ☒ N Where & type? _____
- Is there smoking in the building? ☐ Y ☐ N How frequently? Unknown
- Is there a kitchen exhaust fan? ☐ Y ☐ N If yes, where vented? Unknown
- Is there a bathroom exhaust fan? ☐ Y ☐ N If yes, where vented? Unknown
- Is there a clothes dryer? ☒ Y ☐ N Type: ☒ Gas ☐ Electric Where vented: _____
- Basement windows? ☒ Y ☐ N Type: ☒ Casement ☐ Awning ☐ Glass block Condition: _____
- Are there exterior doors in the basement (e.g. "Bilco")? ☐ Y ☒ N ☐ NA

Are there odors in the building? ☒ Y ☐ N

If yes, please describe: Possibly mold

Do any of the building occupants use solvents at work (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, cosmetologist)? ☐ Y ☐ N **UNKNOWN**

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? ☐ Y ☐ N

Do any of the building occupants regularly use or work at a dry-cleaning service?

Yes, use dry-cleaning regularly (i.e., weekly): ☐ Y ☒ N

Yes, use dry-cleaning infrequently (i.e., monthly or less): ☐ Y ☐ N ☒ Unknown

Yes, work at a dry-cleaning service: ☐ Y ☒ N

8. WATER AND SEWAGE

Water Supply: ☒ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well ☐ Other: _____

Sewage Disposal: ☒ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☐ Other: _____

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9. OTHER ENVIRONMENTAL HAZARDS OBSERVED

Note factors that may impact vapor mitigation system installation or other construction activities:

A. Potential Asbestos: ☐ Yes ☐ No ☒ Suspected

1. Location & Estimated Quantity: Sprayed on popcorn ceiling
2. General Condition: ☐ Good ☒ Fair ☐ Poor
3. Other Comments: _____

B. Potential Lead Paint: ☐ Yes ☐ No ☒ Suspected

1. Location & Estimated Quantity: Walls & floor throughout
2. General Condition: ☐ Good ☐ Fair ☐ Poor
3. Other Comments: _____

10. BASEMENT FLOOR PLANS

See attached figure.

11. TEMPORARY STORAGE

Is temporary storage required during performance of the removal action? ☒ Y ☐ N

If yes, describe: Utilities, washer & dryer, personal property stored throughout basement. See photos.

12. DAMAGE TO FIXTURE/FURNISHINGS

Must any fixtures or furnishings such as carpet or tile, be damaged or removed to perform the removal action?

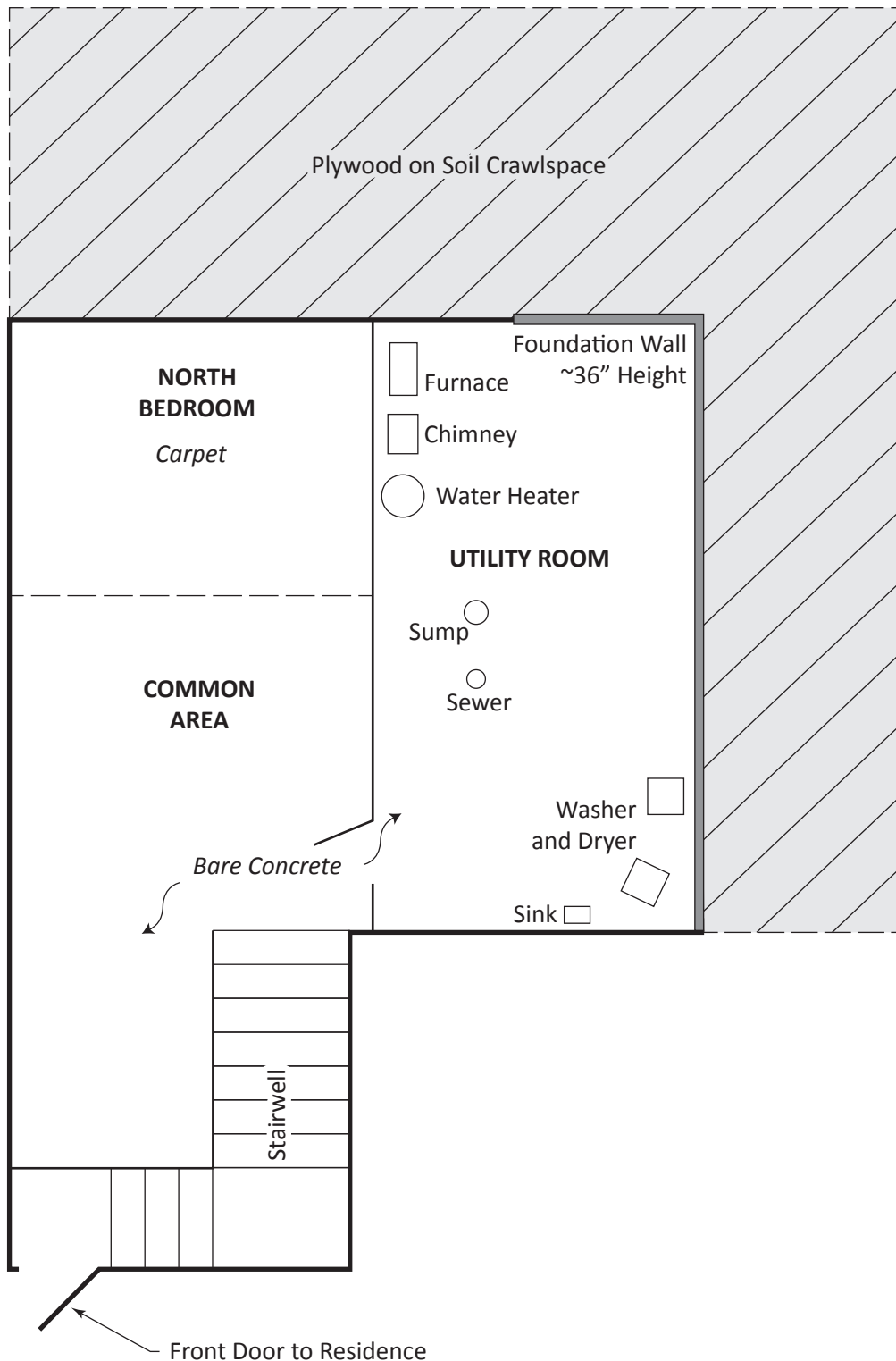
☒ Y ☐ N

If yes, describe: Carpet in North Bedroom

13. NOTE ANY OTHER CONSIDERATIONS THAT MAY EFFECT THE REMOVAL ACTION

Are there any other performance-related concerns or issues (e.g., objects to be moved in crawl spaces, large furnishings to be moved, etc.)? ☒ Y ☐ N

If yes, describe: Crawl space, electrical wiring, steel-to-plastic gas piping, and personal property storage.



Notes: Various structural posts and duct work within crawl space.
Forced air duct work.



ecology and environment, inc.
Global Environmental Specialists
Seattle, Washington

SUBAREA II FOURTH AVENUE AND
GAMBELL STREET REMOVAL ACTION
Anchorage, Alaska

0 3 6
Approximate Scale in Feet

710 EAST 3RD STREET

Date:
2/26/14

Drawn by:
AES

10:START-IV\13080020\1

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 1 710 East 3rd Avenue (Residence).

Direction: Northwest

Date: 2/24/14

Time: 12:51

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 2 Water heater in utility room. Note derelict wiring to right.

Direction: West

Date: 2/22/14

Time: 11:19

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 3 Chimney in utility room.

Direction: Northwest

Date: 2/22/14

Time: 11:20

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 4 Furnace in utility room. Note steel pipe-to-plastic gas line, and wiring to left.

Direction: West/Down

Date: 2/22/14

Time: 11:20

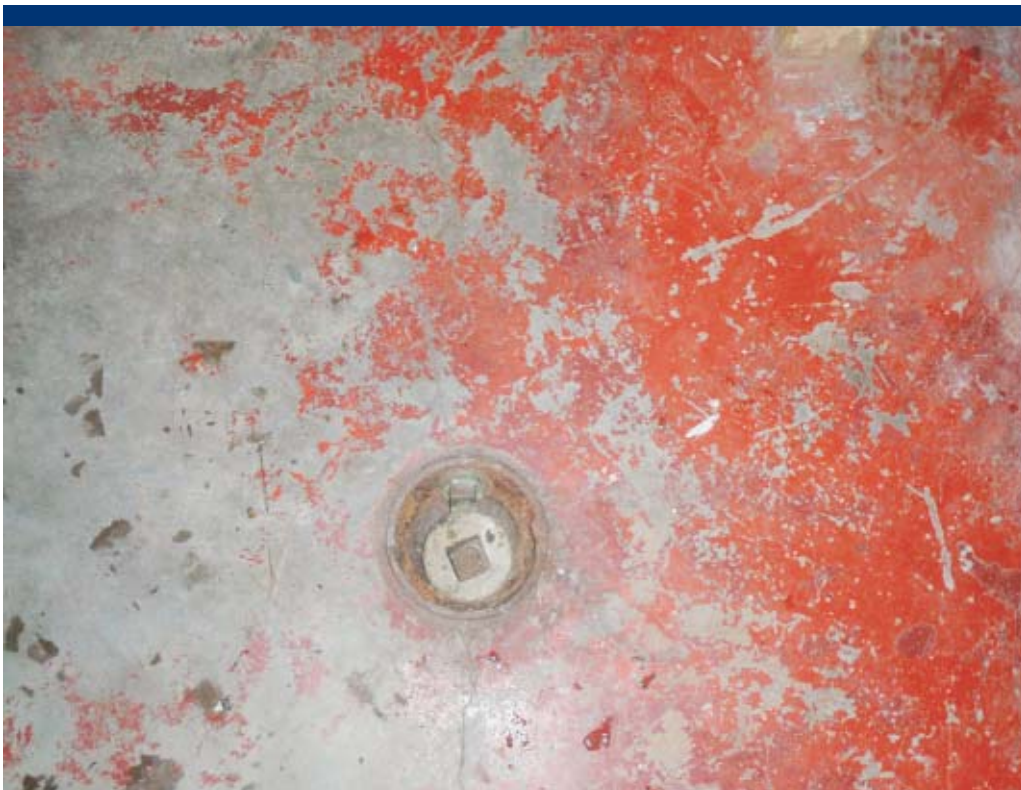


Photo 5 Plugged sump on utility room floor.

Direction: Down

Date: 2/22/14

Time: 11:20

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 6 Sewer pipes to utility room floor.

Direction: South/Down

Date: 2/22/14

Time: 11:20

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 7 Forced air heating duct into crawl space.

Direction: Northeast

Date: 2/22/14

Time: 11:20



Photo 8 Forced air heating duct into crawl space.

Direction: North

Date: 2/22/14

Time: 11:21

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 9 Storage in crawl space, furnace & heating ducts.

Direction: North

Date: 2/22/14

Time: 11:26



Photo 10 Washer and dryer in utility room.

Direction: Southeast/Down

Date: 2/22/14

Time: 11:26

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 11 Sewer pipe, washer and sink in utility room.

Direction: South

Date: 2/22/14

Time: 11:26

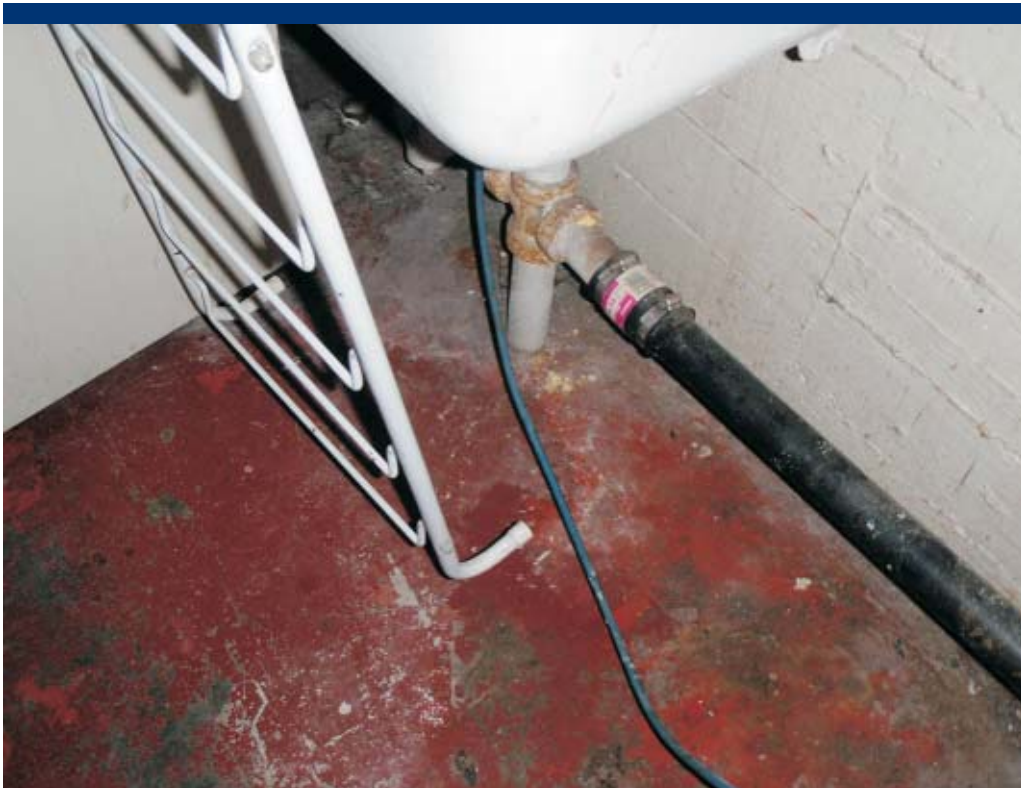


Photo 12 Sewer pipe beneath sink to utility room floor.

Direction: Southeast/Down

Date: 2/22/14

Time: 11:26

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

TDD Number: 13-08-0020
Photographed by: Carl Overpeck



Photo 13 Southwest corner of common area.

Direction: South

Date: 2/22/14

Time: 11:26

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

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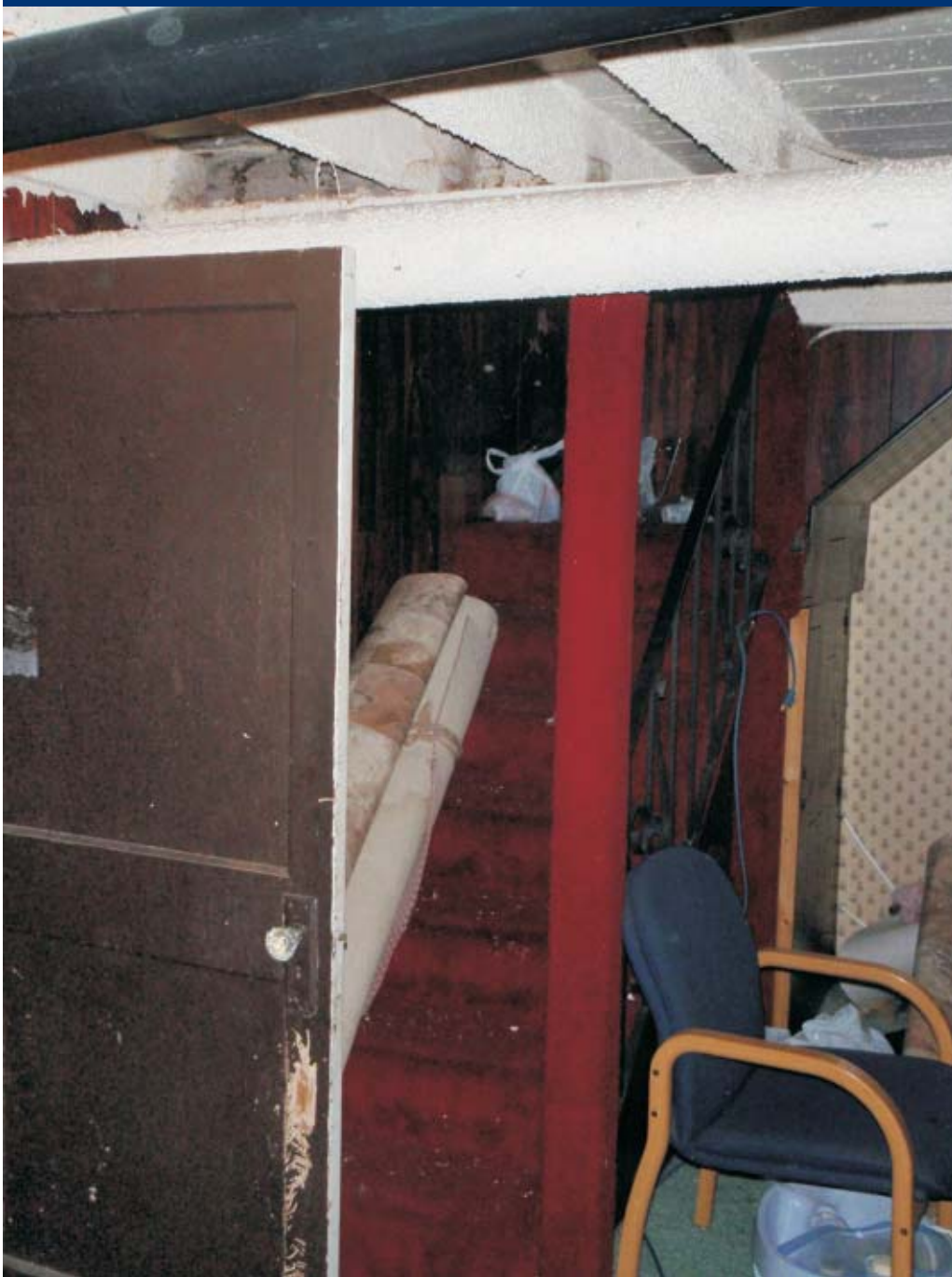


Photo 14 Stairwell and door to utility room.

Direction: South

Date: 2/22/14

Time: 11:27

SUBAREA II FOURTH AVENUE AND GAMBELL STREET REMOVAL ACTION

710 East 3rd Street
Anchorage, Alaska

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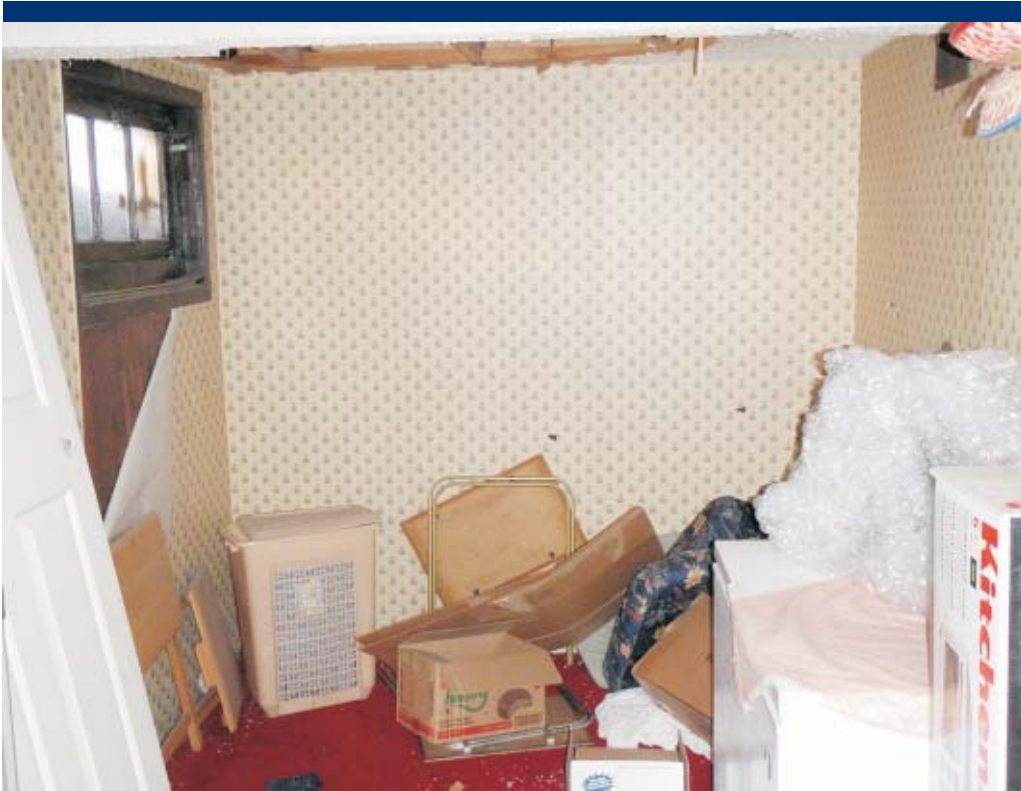


Photo 15 North Bedroom.

Direction: North

Date: 2/25/14

Time: 16:10
